

ABSTRACT OF THE DISCLOSURE

A controllable, multi-mode, bi-directional overrunning clutch assembly and a mode shift system are adapted for use in a transfer case for transferring drive torque from a primary output shaft to a secondary output shaft so as to establish four-wheel drive modes. The clutch assembly includes a first ring journalled on a first rotary member, a second ring fixed to a second rotary member, and a plurality of rollers disposed in opposed cam tracks formed between the first and second rings. The first ring is split to define an actuation channel having a pair of spaced end segments. An actuator ring is moveable between positions engaged with and released from the end segments of the first ring. The shift system includes a moveable clutch actuator which controls movement of the actuator ring for establishing an on-demand four-wheel drive mode and a locked or part-time four-wheel drive mode.